
TRIMBLE COUNTY

(Trimble County Water Service Area Map)

- Estimated 1999 population of 7,500--90% on public water
- Estimated 2020 population of 9,050--90% on public water
- 220 miles of water lines, with plans for 2 additional miles
- Estimated funding needs for public water 2000-2005:\$5,288,000
- Estimated funding needs for public water 2006-2020:\$0

Trimble County had an estimated population of 7,474 (3,010 households) in 1999 with a projected population of 9,048 (3,840 households) in 2020. Public water is provided to about 90 percent of the county's residents. In areas of the county not served by public water, about half of the households rely on private domestic wells and half rely on other sources. One household will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
TRIMBLE COUNTY								-
Milton Water Company				556	88		425	1,069
Trimble County Water District	2	1	50	1,669	2,500			4,219
TRIMBLE COUNTY TOTAL	2	1	50	2,225	2,588		425	5,288

PUBLIC WATER SYSTEMS

There are 2 water suppliers in Trimble County: 1 municipal system, Milton Water Works, and 1 water district, Trimble County Water District #1. Henry County Water District #2 serves customers in the southern part of the county. The West Carroll Water District buys water from Trimble County Water district#1 and distributes to the eastern portion of Trimble County.

WATER SERVICE AREAS

TRIMBLE COUNTY

Kentucky

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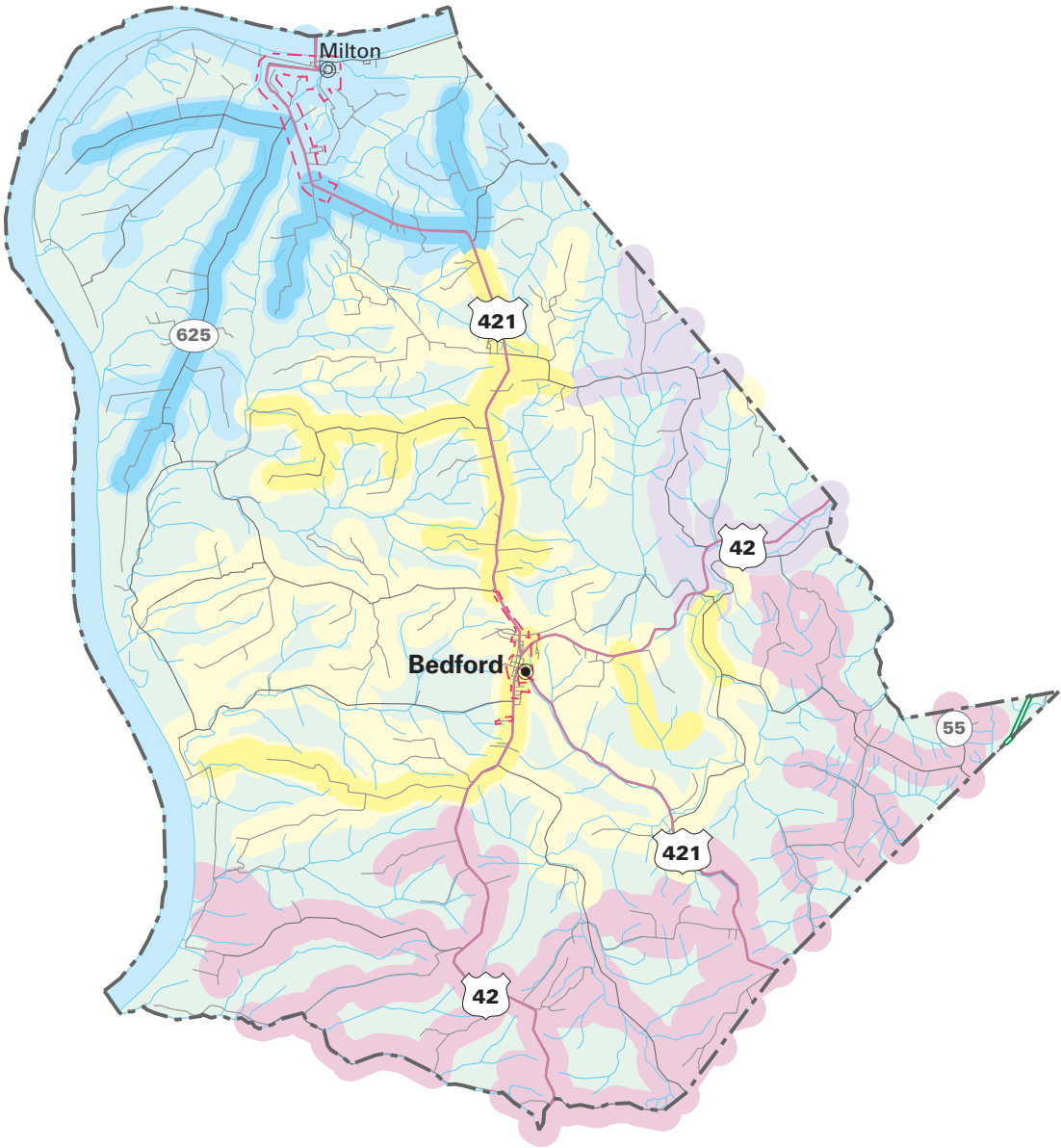
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		WEST CARROLL WATER DISTRICT/CARROLLTON
		TRIMBLE COUNTY WATER DISTRICT #1
		MILTON WATER AND SEWER DEPARTMENT
		HENRY COUNTY WATER DISTRICT #2

TRIMBLE COUNTY WATER DISTRICT #1

PWSID: 1120431
System Type:..... COMMUNITY
Owner Type:..... WATER DISTRICT
Surface Source:
Purchase Source:
Well Source: Yes
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.36
Percent Daily Average Production:..... 99.00
Total Tank Storage Capacity (gallons):..... 265,000.00
Total Service Connections: 2,100.00
Number of Employees:..... 4.00
Treatment Operator Class:
Distribution Operator Class:..... 2BD
Customer Rate for 1,000 Gallons:..... 3.58
O/M costs 1997:..... 233,838.00
O/M costs per Service Connection: 190.42
Net Revenue 1997:..... 54,402.00
Total Water Produced 1997 (gallons):..... 126,484,000.00
Water Sold 1997 (gallons):..... 96,011,000.00
Unaccounted-for Water 1997 (%): 18.72

The Trimble County Water District#1 (T.C.W.D.#1) serves customers in the central portion of Trimble County, including the city of Bedford (county seat of Trimble). This system draws water from 4 wells on the Ohio River aquifer in Trimble County. It has a treatment capacity of 300,000 gpd. There are 3 tanks with a total storage capacity of 265,000 gallons. This system is currently serving approximately 2,100 households with a total annual volume of residential usage at 81 million gallons. The total annual volume water sold (residential, commercial and other) is 277 million gallons.

The Trimble County Water District #1 has applied for funding, and is waiting on their engineering contractors to pull together an expansion and upgrade plan. This system will have to upgrade their existing lines and increase storage capacity in order to keep up with the demands in their territory. They have also concluded that there will probably have to be an additional transmission line from their well field to enhance their overall capabilities. A common problem is the number of 3-inch lines extending throughout the rural area. There are several developers already building and obvious residential growth is eminent in the area south of Bedford extending all the way to I-71.

MILTON WATER AND SEWER DEPARTMENT

PWSID: 1120289
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source:
Well Source: Yes
Sells Water to:
Treatment Plant Capacity (MGD): 0.72
Percent Daily Average Production: 33.00
Total Tank Storage Capacity (gallons): 150,000.00
Total Service Connections: 1,068.00
Number of Employees: 5.00
Treatment Operator Class: 2D
Distribution Operator Class: 3B
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

The city of Milton is located in the northern tip of Trimble County overlooking the Ohio River. The Milton Water Company gets its water from 2 wells in the Trimble County aquifer, located on Coopers Bottom & Highway 421. According to the Trimble County Water Supply Plan there is an adequate supply of water to meet the future needs of this territory. The Milton Water Company is now in the construction stage of adding another well to their system. They have 2 tanks with total storage capacity of 150,000 gallons. On a average daily basis, this system draws around 350,000 gallons and does not have a treatment plant but does have the standard post treatment. They have 5 full-time employees; 2 of which are certified operators.

The Milton Water Company directly serves 1,046 households and 31 other service connections (commercial, institutional). The total annual volume of water sold is 720 million. This system sells water to West Carroll Water District under a contract to make available 1.2 million gallons per year. This system is well managed and with funding, could easily serve over 60 existing households currently without water service connection. Mostly upgrading existing lines, increased storage capacity, and several line extensions are seen as crucial to meet future needs in this area.

PRIVATE DOMESTIC SYSTEMS

About 700 residents of Trimble County rely on private domestic water supplies, 300 on wells and 400 on other sources.

The alluvium along the Ohio River is the best source of ground water in the county. Many properly constructed drilled wells will produce several hundred gallons per minute from the alluvium, with most wells able to produce enough for a domestic supply at depths of less than 100 feet. Water is hard or very hard but otherwise of good quality.

In the lower sections of the larger creek valleys and in some of the Ohio River bottoms, most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. Some wells located in the smaller creek valleys will produce enough water for a domestic supply except during dry weather. In the upland areas of Trimble County, which encompasses approximately 60% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines that may produce enough water except during dry weather. Ground water in these areas is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
